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EXAMINER

YUN, EUGENE

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PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/730,415	<b>Applicant(s)</b> WILLINS ET AL.	
	<b>Examiner</b> EUGENE YUN	<b>Art Unit</b> 2618	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 17 July 2008.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-21 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 112***

1. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

2. Claims 1, 7, 14, and 21 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The specification does not properly support the limitation of "the descriptive information describes a signal between **at least two of a wireless controller**, one or more wireless transmitters, and a plurality of mobile terminals". The specification only describes one wireless controller pointed out be reference numeral 120. Nothing in the specification states a plurality of wireless controllers nor is there an additional reference number to describe a second wireless controller.

### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-21 rejected under 35 U.S.C. 103(a) as being unpatentable over Gallagher (US 7,127,250) in view of Grimes (US 5,479,482).

Referring to Claim 1, Gallagher teaches a method, comprising:

Receiving, using a wireless controller 132 (fig. 2), data transmitted from one or more wireless transmitters 128 (fig. 2) adapted to communicate with a plurality of mobile terminals 102 (fig. 2).

Receiving descriptive information associated with at least a portion of the received data from the one or more wireless transmitters (see col. 19, lines 9-16); and

Providing the received data and the associated descriptive information to a port interface associated with the wireless controller (see col. 7, lines 31-40).

Gallagher does not teach the descriptive information describing a signal between at least two of the wireless controller, the one or more wireless transmitters, and the plurality of mobile terminals. Grimes teaches the descriptive information describing a signal (see col. 8, lines 17-24) between at least two of the wireless controller (see col. 8, lines 2-13 noting communications between controller 121 and controller 401), the one or more wireless transmitters, and the plurality of mobile terminals (see col. 8, lines 16-24). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teachings of Grimes to said device of Gallagher in order to better avoid repeated communication inquiries.

Referring to Claim 2, Gallagher also teaches encapsulating descriptive information with the data in a packet and providing the encapsulated packet to the port

interface (see col. 7, lines 43-47).

Referring to Claim 3, Gallagher also teaches providing the data and the associated descriptive information to the port interface for at least one of storage in a remote device and further processing (see col. 5, lines 53-57).

Referring to Claim 4, Gallagher also teaches receiving the descriptive information encapsulated with the data in a packet, wherein the descriptive information comprises at least one high resolution timestamp associated with the data and channel information associated with the transmission of the data, wherein the channel information includes at least one of signal quality and relative signal strength index (see col. 16, lines 7-11).

Referring to Claim 5, Gallagher also teaches receiving a request from a remote unit through the port and further causing the wireless controller to perform at least one task responsive to the received request (see col. 12, lines 19-22).

Referring to Claim 6, Gallagher also teaches a plurality of access ports 128 (fig. 2), and wherein the wireless controller communicates with a first access port of the plurality of access ports over a first communication channel, and wherein, in response to receiving the request, the wireless controller communicates with the first access port over a channel different from the first channel (see col. 12, lines 18-25).

Referring to Claim 7, Gallagher teaches a wireless switch, comprising:

An interface 190 (fig. 1A); and

A controller 132 (fig. 2) communicatively coupled to the interface, the controller adapted to:

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Receive data transmitted from a plurality of access ports 128 (fig. 2), wherein the data has associated descriptive information (see col. 19, lines 9-16); and

Provide at least a portion of the receive data and the associated descriptive information to a port interface associated with the wireless switch (see col. 7, lines 31-40).

Gallagher does not teach the descriptive information describing a signal between at least two of the wireless controller, the one or more wireless transmitters, and the plurality of mobile terminals. Grimes teaches the descriptive information describing a signal (see col. 8, lines 17-24) between at least two of the wireless controller (see col. 8, lines 2-13 noting communications between controller 121 and controller 401), the one or more wireless transmitters, and the plurality of mobile terminals (see col. 8, lines 16-24). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teachings of Grimes to said device of Gallagher in order to better avoid repeated communication inquiries.

Referring to Claim 8, Gallagher also teaches the controller adapted to provide the descriptive information with the data to the port interface (see col. 7, lines 31-40).

Referring to Claim 9, Gallagher also teaches the controller adapted to provide at least a portion of the data and the associated descriptive information to the port interface for substantial real-time monitoring using the remote device (see col. 7, lines 31-40).

Referring to Claim 10, Gallagher also teaches the controller further adapted to

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receive a request from a remote unit through the port interface and wherein the controller is adapted to cause the wireless switch to perform at least one task responsive to the received request (see col. 12, lines 18-25).

Referring to Claim 11, Gallagher also teaches the controller responsive to commands received from a remote device (see col. 12, lines 18-25).

Referring to Claim 12, Gallagher also teaches providing the data and the associated descriptive information to the port interface for at least one of storage in a remote device and further processing (see col. 5, lines 53-57).

Referring to Claim 13, Gallagher also teaches receiving the descriptive information encapsulated with the data in a packet, wherein the descriptive information comprises at least one high resolution timestamp associated with the data and channel information associated with the transmission of the data, wherein the channel information includes at least one of signal quality and relative signal strength index (see col. 5, lines 61-66).

Referring to Claim 14, Gallagher teaches a system, comprising:

A plurality of mobile terminals 102 (fig. 2);

A wireless switch 132 (fig. 2) adapted to:

Receive data transmitted from a plurality of access ports 128 (fig. 2), wherein the data has associated descriptive information (see col. 19, lines 9-16); and

Provide at least a portion of the receive data and the associated descriptive information to a port interface associated with the wireless switch (see col. 7, lines 31-40).

Gallagher does not teach the descriptive information describing a signal between at least two of the wireless controller, the one or more wireless transmitters, and the plurality of mobile terminals. Grimes teaches the descriptive information describing a signal (see col. 8, lines 17-24) between at least two of the wireless controller (see col. 8, lines 2-13 noting communications between controller 121 and controller 401), the one or more wireless transmitters, and the plurality of mobile terminals (see col. 8, lines 16-24). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teachings of Grimes to said device of Gallagher in order to better avoid repeated communication inquiries.

Referring to Claim 15, Gallagher also teaches at least one access port adapted to receive the data from the mobile terminals and further adapted to transmit the data to the wireless switch (see 102 to 128 to 132 in fig. 2).

Referring to Claim 16, Gallagher also teaches the wireless switch adapted to receive the data and the descriptive information associated with the data (see col. 9, lines 9-16).

Referring to Claim 17, Gallagher also teaches the wireless switch providing an encapsulated packet including the data and the associated descriptive information (see col. 7, lines 43-47).

Referring to Claim 18, Gallagher also teaches the wireless switch adapted to receive commands from a remote device and perform at least one task responsive to the received commands (see col. 12, lines 19-22).



Referring to Claim 19, Gallagher also teaches the descriptive information comprises at least one high resolution timestamp associated with the data and channel information associated with the transmission of the data, wherein the channel information includes at least one of signal quality and relative signal strength index (see col. 5, lines 61-66).

Referring to Claim 20, Gallagher also teaches a remote device that is adapted to communicate with the wireless switch via the port interface, wherein the remote device is at least one of a wireless sniffer, performance monitor, and wireless intrusion detection server (see col. 14, lines 60-63).

Referring to Claim 21, Gallagher teaches an apparatus comprising:

Means for receiving, using a wireless controller 132 (fig. 2), data transmitted from a plurality of access ports 128 (fig. 2), wherein the data has associated descriptive information (see col. 19, lines 9-16); and

Means for providing at least a portion of the received data and the associated descriptive information to a port interface associated with the wireless controller (see col. 7, lines 31-40).

Gallagher does not teach the descriptive information describing a signal between at least two of the wireless controller, the one or more wireless transmitters, and the plurality of mobile terminals. Grimes teaches the descriptive information describing a signal (see col. 8, lines 17-24) between at least two of the wireless controller (see col. 8, lines 2-13 noting communications between controller 121 and controller 401), the one or more wireless transmitters, and the plurality of mobile

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terminals (see col. 8, lines 16-24). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teachings of Grimes to said device of Gallagher in order to better avoid repeated communication inquiries.

### ***Response to Arguments***

5. Applicant's arguments with respect to claims 1-21 have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to EUGENE YUN whose telephone number is (571)272-7860. The examiner can normally be reached on 9:00am-6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew D. Anderson can be reached on (571)272-4177. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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